

Title (en)
SHUTTER MECHANISM FOR COVERING A WING DEPLOYMENT OPENING

Title (de)
VERSCHLUSSMECHANISMUS FÜR EINE FLÜGELAUSTRITTSÖFFNUNG

Title (fr)
MÉCANISME D'OBTURATEUR POUR RECOUVRIR UNE OUVERTURE DE DÉPLOIEMENT D'AILE

Publication
EP 3010798 B1 20211110 (EN)

Application
EP 14812884 A 20140514

Priority
• IL 22698013 A 20130616
• IL 2014050422 W 20140514

Abstract (en)
[origin: WO2014203237A2] A shutter mechanism for covering a wing's spreading opening formed in an airborne body and a method for covering such opening while implementing the shutter mechanism, wherein the shutter comprises at least one flap assembly, and wherein from the instant that a deployed wing of the airborne body passed and moved over it, it is biased by traction of at least one springy element to an angular motion around an axis, unto a condition where the flap component of the assembly is positioned so that it is substantially conformal to the outline of the outer surface of the fuselage of the airborne body and while it covers the opening through which the wing passed in its motion; and from an instant that the wing returned and connected to the flap component of the assembly, the flap is biased to an angular motion counter the spring, to the state that the wing returns and is relocated on its top surface.

IPC 8 full level
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CPC (source: EP US)
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Citation (examination)
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• US 3642234 A 19720215 - KAMBER HEINRICH, et al
• FR 2281874 A1 19760312 - MESSERSCHMITT BOELKOW BLOHM [DE]
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